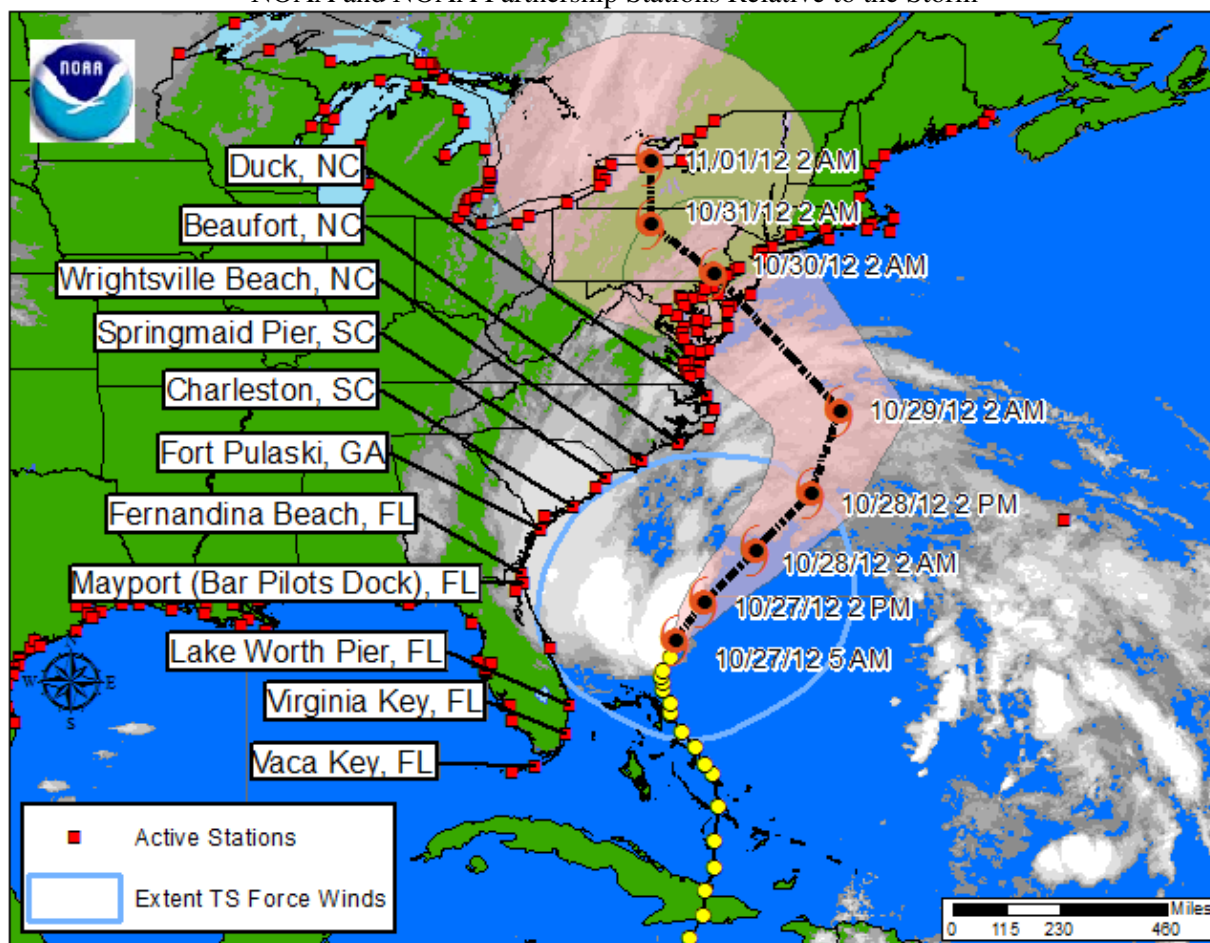


Tropical Storm SANDY QuickLook
Posted: 06:00 EDT 10/27/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/27/2012 06:00 EDT, water levels in southeastern Florida from Lake Worth to Vaca Key are elevated 1.0 to 1.5 feet above predictions. Water levels along the East Coast from Mayport, FL to Duck, NC are elevated between 0.0 and 1.1 feet above predictions. Winds from southern Florida to North Carolina range from 10 to 20 knots with higher gusts. Barometric pressure continues to fall northward from Mayport to Duck, NC.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 5.6 ft (1.72 m) at 10/27/2012 07:40 EDT and 5.2 ft (1.60 m) at 10/27/2012 19:58 EDT.

Fernandina Beach, FL: Next predicted high tides are 7.1 ft (2.16 m) at 10/27/2012 07:43 EDT and 6.6 ft (2.04

Tropical Storm SANDY QuickLook, POSTED 06:00 EDT 10/27/2012

m) at 10/27/2012 20:05 EDT.

Fort Pulaski, GA: Next predicted high tides are 7.9 ft (2.41 m) at 10/27/2012 06:51 EDT and 7.4 ft (2.29 m) at 10/27/2012 19:18 EDT.

Charleston, SC: Next predicted high tides are 6.1 ft (1.87 m) at 10/27/2012 06:47 EDT and 5.7 ft (1.77 m) at 10/27/2012 19:10 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.8 ft (1.77 m) at 10/27/2012 06:21 EDT and 5.5 ft (1.69 m) at 10/27/2012 18:41 EDT.

Wrightsville Beach, NC: Next predicted high tides are 4.7 ft (1.43 m) at 10/27/2012 06:12 EDT and 4.2 ft (1.30 m) at 10/27/2012 18:30 EDT.

Beaufort, NC: Next predicted high tides are 3.7 ft (1.14 m) at 10/27/2012 06:47 EDT and 3.4 ft (1.04 m) at 10/27/2012 19:00 EDT.

Duck, NC: Next predicted high tides are 3.9 ft (1.19 m) at 10/27/2012 06:27 EDT and 3.4 ft (1.04 m) at 10/27/2012 18:41 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.5 ft (1.07 m) at 10/27/2012 07:05 EDT and 3.2 ft (0.99 m) at 10/27/2012 19:14 EDT.

Virginia Key, FL: Next predicted high tides are 2.7 ft (0.82 m) at 10/27/2012 07:57 EDT and 2.6 ft (0.80 m) at 10/27/2012 20:07 EDT.

Vaca Key, FL: Next predicted high tides are 1.0 ft (0.31 m) at 10/27/2012 14:18 EDT and 1.1 ft (0.34 m) at 10/28/2012 01:39 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: DW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM SANDY ADVISORY NUMBER 20
NWS NATIONAL HURRICANE CENTER MIAMI FL AL182012
500 AM EDT SAT OCT 27 2012

...SANDY WEAKENS BUT IS EXPECTED TO REMAIN A LARGE STORM WITH
WIDESPREAD IMPACTS INTO EARLY NEXT WEEK...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED SOUTH OF SEBASTIAN INLET FLORIDA.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * FLORIDA EAST COAST FROM SEBASTIAN INLET TO SAINT AUGUSTINE
- * SOUTH SANTEE RIVER TO DUCK...INCLUDING PAMLICO
- AND ALBEMARLE SOUNDS
- * GREAT ABACO AND GRAND BAHAMA ISLANDS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * SAVANNAH RIVER TO SOUTH SANTEE RIVER
- * FLORIDA EAST COAST FROM NORTH OF SAINT AUGUSTINE TO FERNANDINA BEACH
- * BERMUDA

IN ADDITION...GALE...STORM AND HIGH WIND WATCHES AND WARNINGS ARE IN EFFECT FOR AREAS NORTH OF THE TROPICAL STORM WARNING AREA. SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

INTERESTS ELSEWHERE ALONG THE EAST COAST OF THE UNITED STATES SHOULD MONITOR THE PROGRESS OF SANDY.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES... INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT...0900 UTC...THE CENTER OF TROPICAL STORM SANDY WAS LOCATED NEAR LATITUDE 28.6 NORTH...LONGITUDE 76.7 WEST. SANDY IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 10 MPH AND THIS MOTION IS EXPECTED TO CONTINUE TODAY. A TURN TOWARD THE NORTHEAST AND AN INCREASE IN FORWARD SPEED ARE EXPECTED TONIGHT AND SUNDAY... FOLLOWED BY A TURN TOWARD THE NORTH SUNDAY NIGHT. ON THE FORECAST TRACK THE CENTER OF SANDY WILL CONTINUE MOVING AWAY FROM THE NORTHWESTERN BAHAMAS THIS MORNING AND WILL MOVE PARALLEL TO THE SOUTHEAST COAST OF THE UNITED STATES THROUGH THE WEEKEND.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 70 MPH WITH HIGHER GUSTS.

LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT DAY OR SO...WITH SOME RESTRENGTHENING POSSIBLE SUNDAY NIGHT.

SANDY IS A VERY LARGE TROPICAL CYCLONE. TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 450 MILES FROM THE CENTER. NOAA BUOY 41010...LOCATED ABOUT 140 MILES EAST OF CAPE CANAVERAL FLORIDA RECENTLY REPORTED A SUSTAINED WIND OF 56 MPH AND A WIND GUST OF 69 MPH. A NOAA AUTOMATED STATION AT SETTLEMENT POINT ON GRAND BAHAMA RECENTLY REPORTED A SUSTAINED WIND OF 46 MPH AND A WIND GUST OF 63 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 969 MB...28.61 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE IN GREAT ABACO AND GRAND BAHAMA ISLANDS FOR THE NEXT FEW HOURS. TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER THE WARNING AREA ALONG THE EAST COAST OF FLORIDA TODAY. TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE TROPICAL STORM WARNING AREA IN THE CAROLINAS BY THIS EVENING...AND SPREAD NORTHWARD TONIGHT AND SUNDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREAS THROUGH TONIGHT.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR EASTERN NORTH CAROLINA...WITH ISOLATED MAXIMUM AMOUNTS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE CENTRAL MID-ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

BAHAMAS WITHIN THE WARNING AREA...3 TO 5 FT
FLORIDA COAST WITHIN WARNING AREA...1 TO 3 FT
NORTH CAROLINA WITHIN THE WARNING AREA...3 TO 5 FT
REMAINDER OF NORTH CAROLINA AND SE VIRGINIA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED PERIODS OF COASTAL AND BAYSIDE FLOODING. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

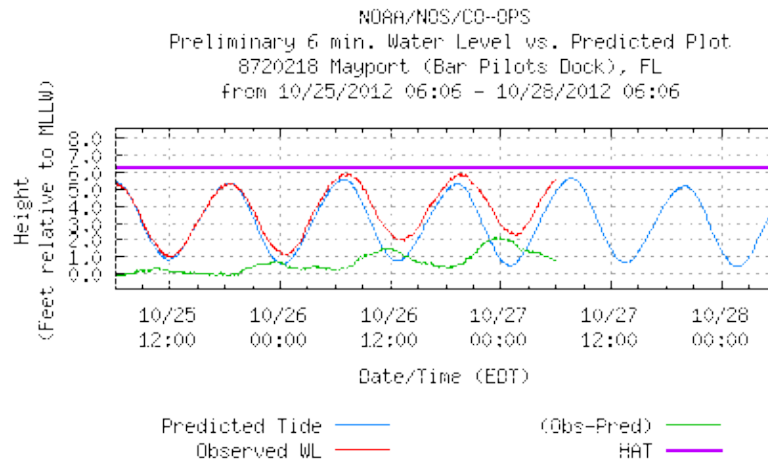
SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH THE CAROLINAS FOR THE NEXT COUPLE OF DAYS AND SPREAD INTO THE MID- ATLANTIC AND NORTHEASTERN STATES OVER THE WEEKEND.

FORECASTER BRENNAN/CANGIALOSI

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#),

Mayport (Bar Pilots Dock), FL - Return to List

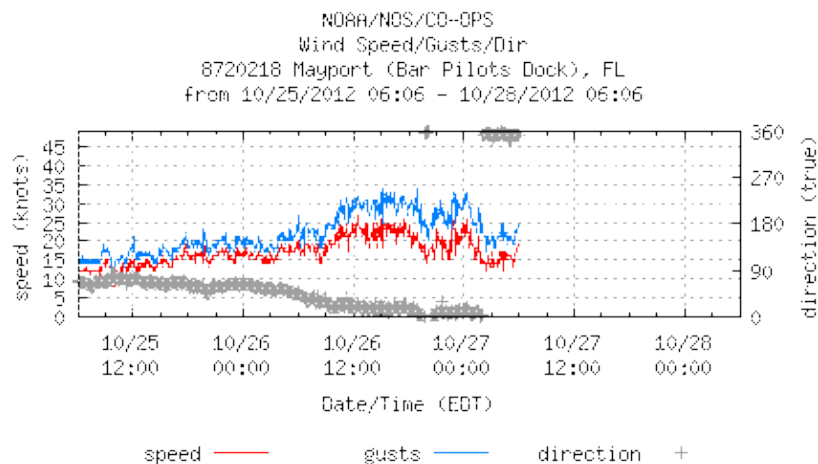


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 5.54 ft.** **Predicted: 4.77 ft.** **Residual: 0.77 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

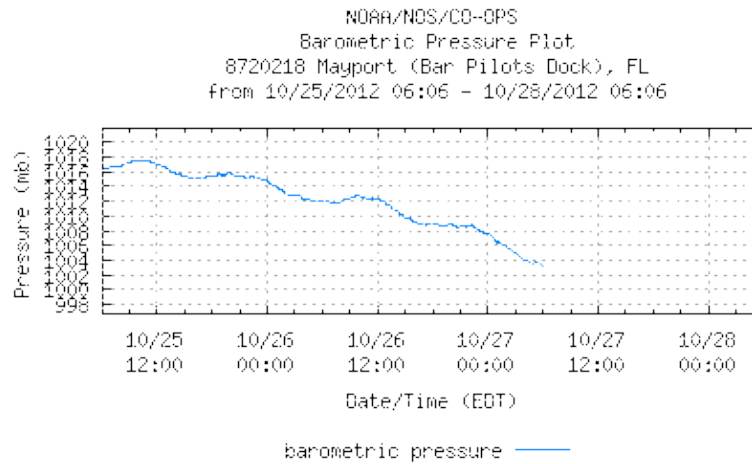
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 19 knots **Gusts: 24 knots** **Direction: 354° T**

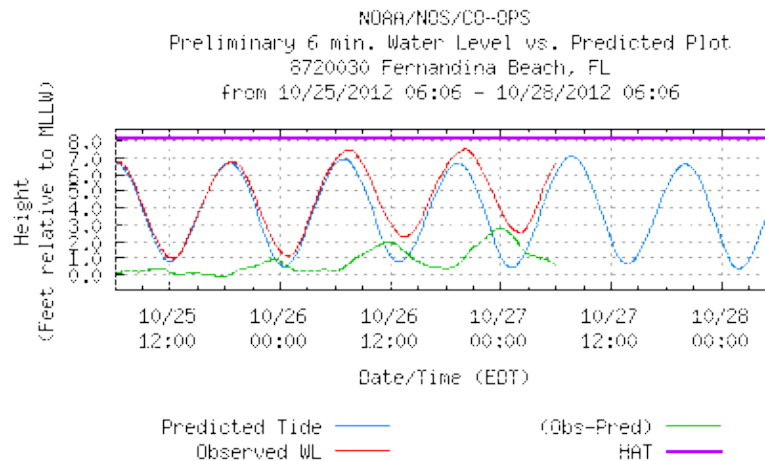
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1003.3 mb

Fernandina Beach, FL - Return to List

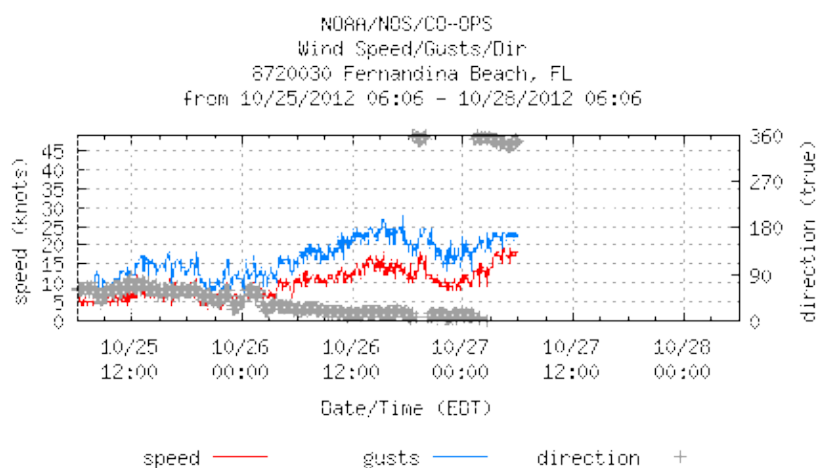


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 6.59 ft.** **Predicted: 5.95 ft.** **Residual: 0.64 ft.**

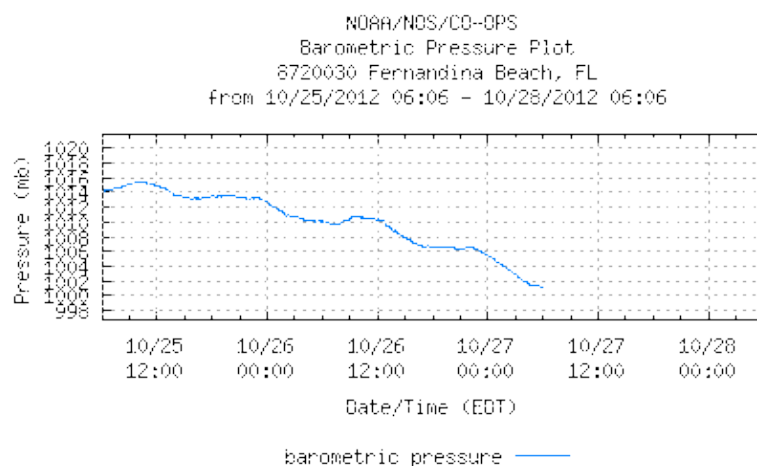
Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

[Fernandina Beach, FL - Return to List](#)



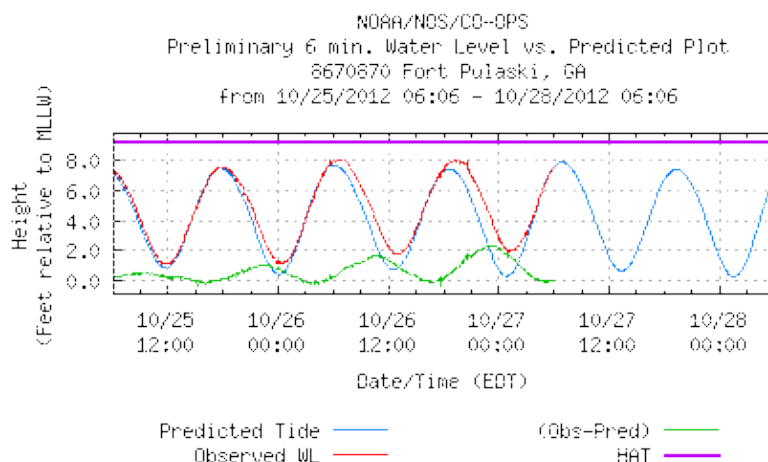
Last Observed Sample: 10/27/2012 05:54 (EDT)
Wind Speed: 18 knots Gusts: 22 knots Direction: 349° T

[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 10/27/2012 05:54 (EDT)
Barometric Pressure: 1001.0 mb

Fort Pulaski, GA - Return to List

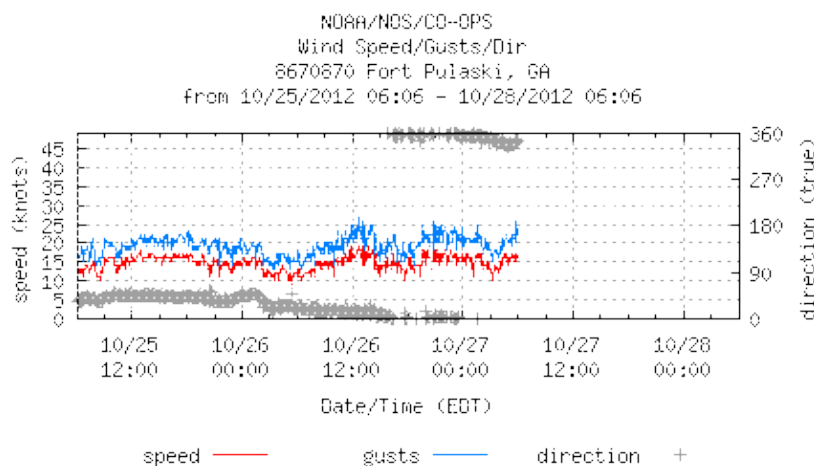


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 7.52 ft.** **Predicted: 7.51 ft.** **Residual: 0.01 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

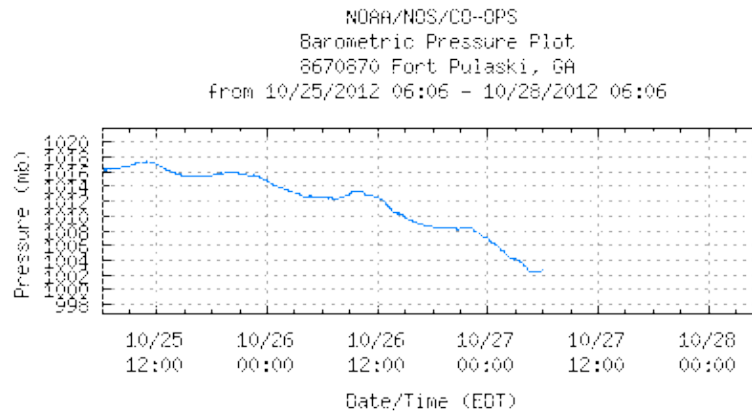
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 16 knots **Gusts: 22 knots** **Direction: 345° T**

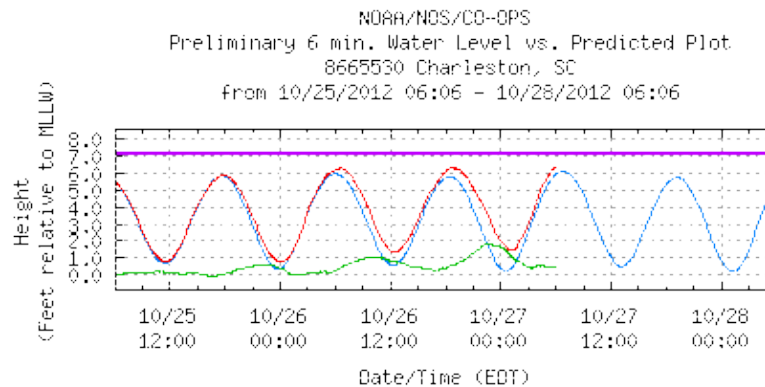
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1002.6 mb

Charleston, SC - Return to List

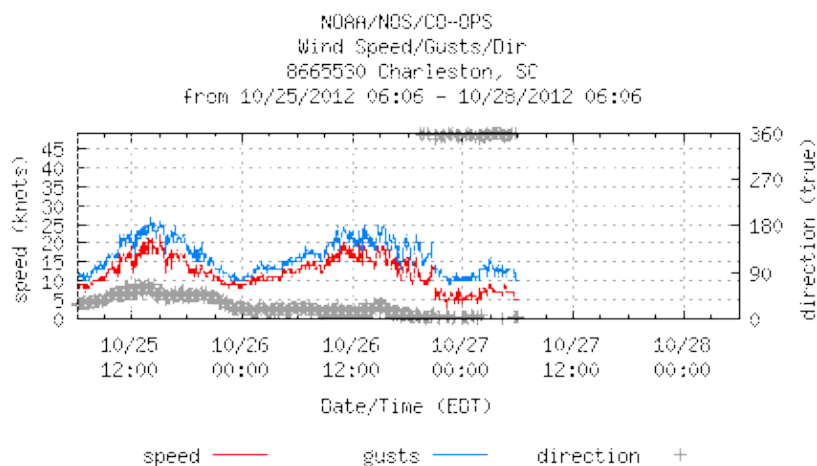


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 6.35 ft.** **Predicted: 5.89 ft.** **Residual: 0.46 ft.**

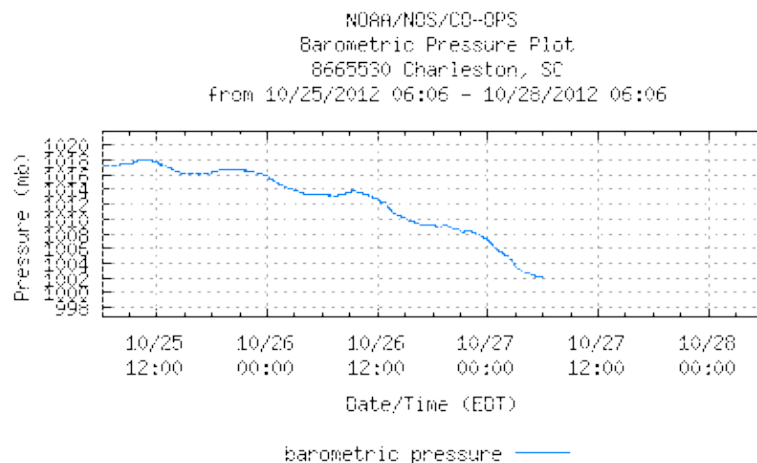
Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

[Charleston, SC - Return to List](#)



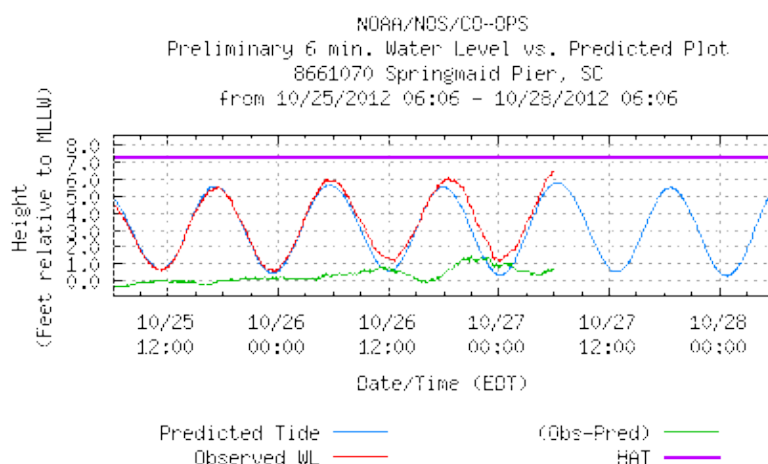
Last Observed Sample: 10/27/2012 05:54 (EDT)
Wind Speed: 5 knots Gusts: 10 knots Direction: 4° T

[Charleston, SC - Return to List](#)



Last Observed Sample: 10/27/2012 05:54 (EDT)
Barometric Pressure: 1002.1 mb

Springmaid Pier, SC - Return to List

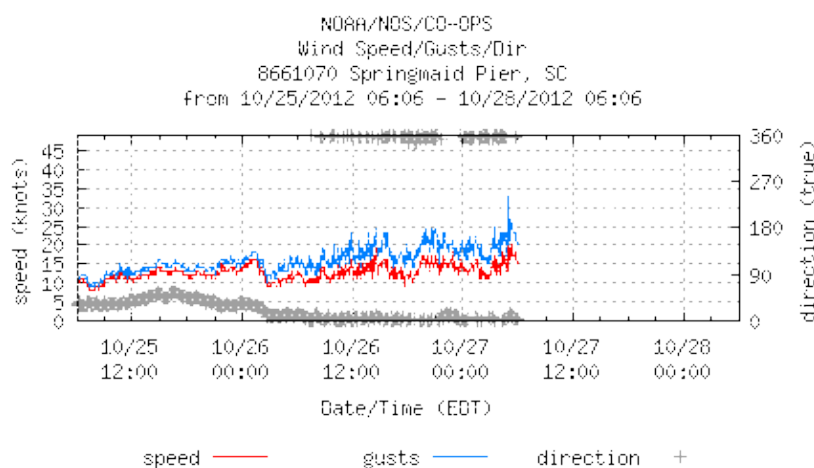


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 6.42 ft.** **Predicted: 5.74 ft.** **Residual: 0.68 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

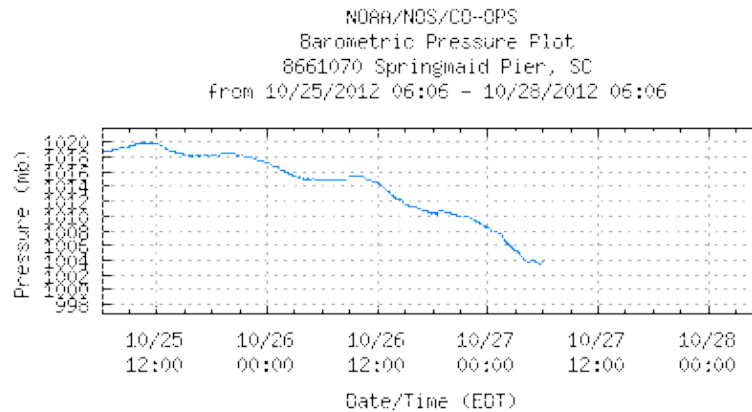
Springmaid Pier, SC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 15 knots **Gusts: 20 knots** **Direction: 5° T**

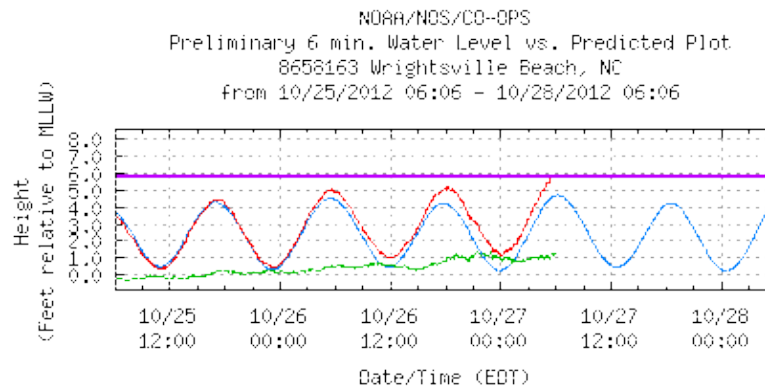
[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1003.6 mb

[Wrightsville Beach, NC - Return to List](#)

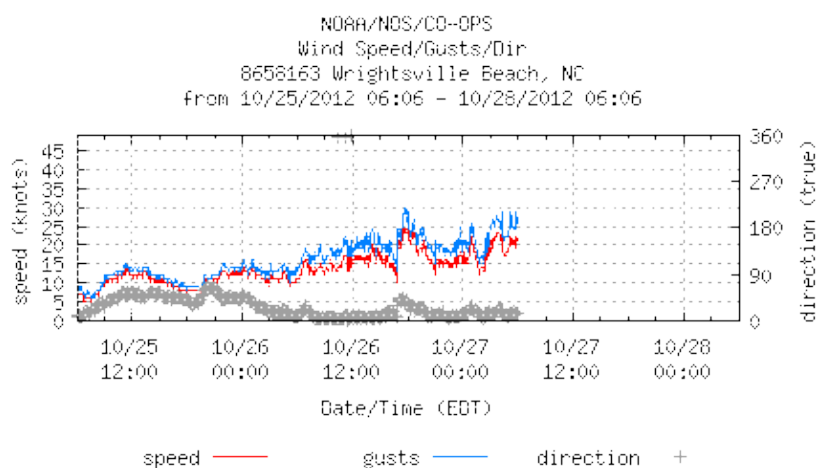


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 5.94 ft.** **Predicted: 4.68 ft.** **Residual: 1.26 ft.**

Historical Maximum Water Level: Sep 25 2008, 2.81 ft. above MHHW

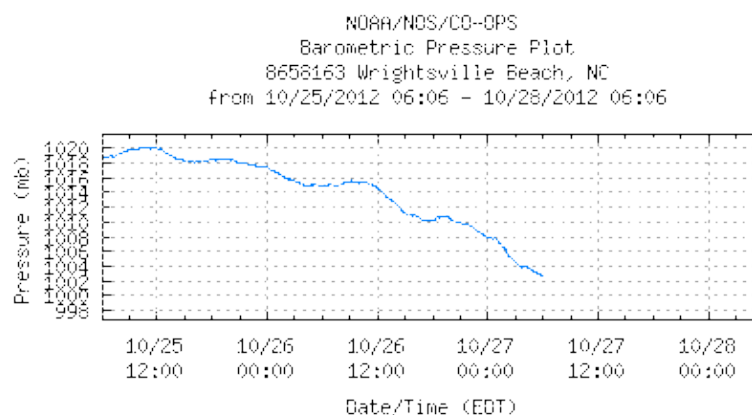
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 21 knots Gusts: 26 knots Direction: 16° T

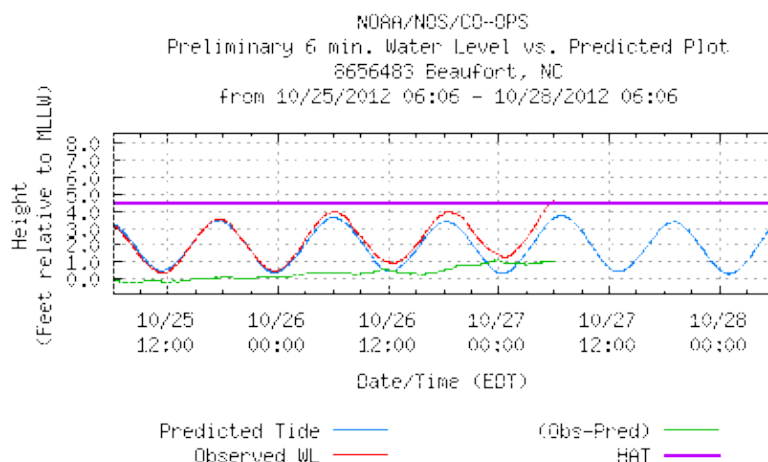
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1002.8 mb

Beaufort, NC - Return to List

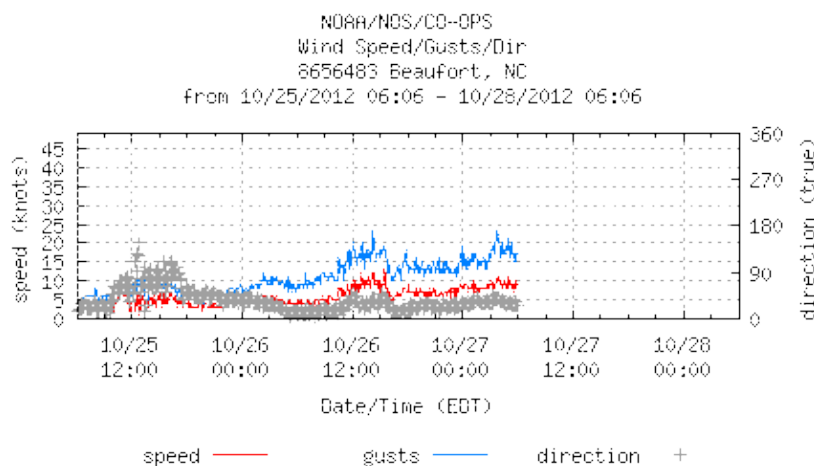


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 4.60 ft.** **Predicted: 3.55 ft.** **Residual: 1.05 ft.**

Historical Maximum Water Level: Sep 14 2005, 3 ft. above MHHW

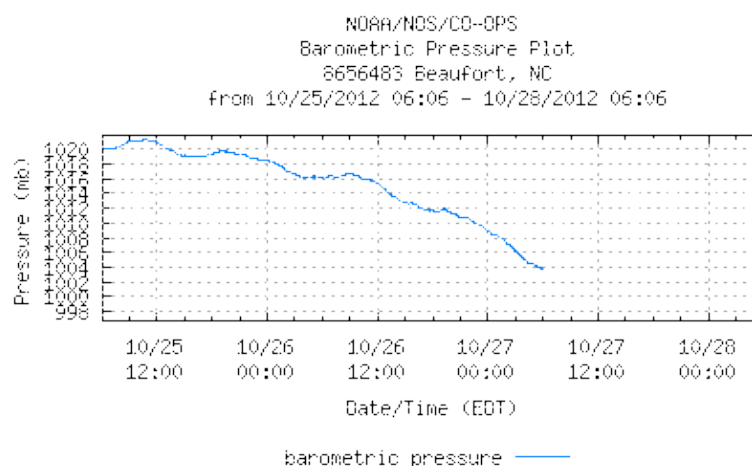
Beaufort, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 9 knots **Gusts: 17 knots** **Direction: 25° T**

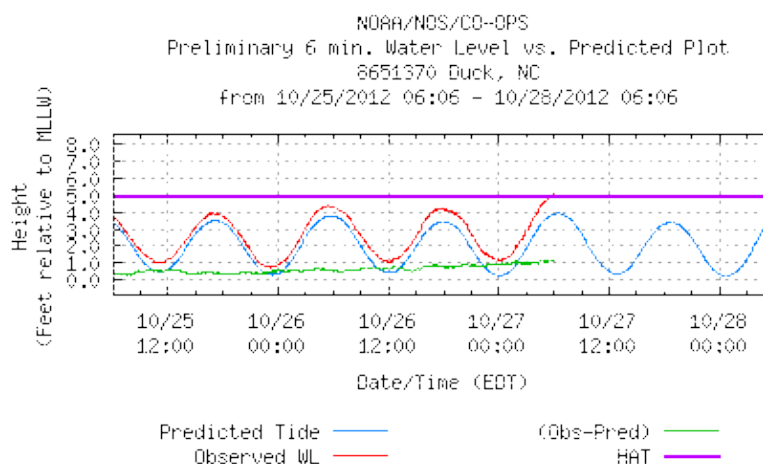
Beaufort, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1003.8 mb

Duck, NC - Return to List

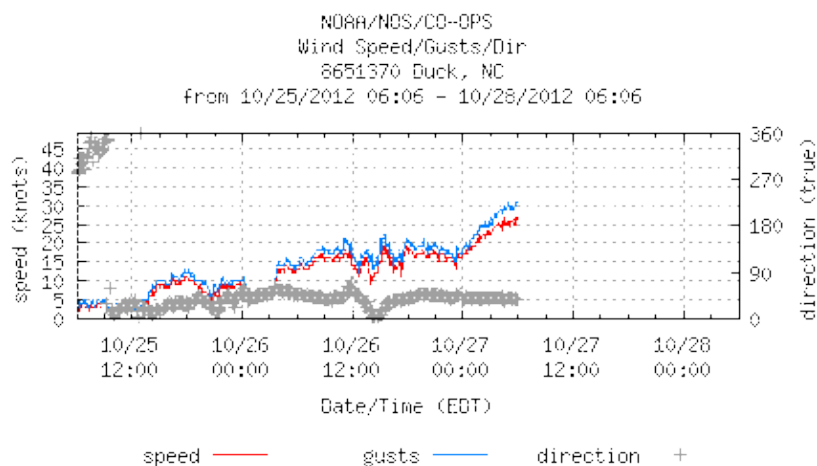


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 5.05 ft.** **Predicted: 3.86 ft.** **Residual: 1.19 ft.**

Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

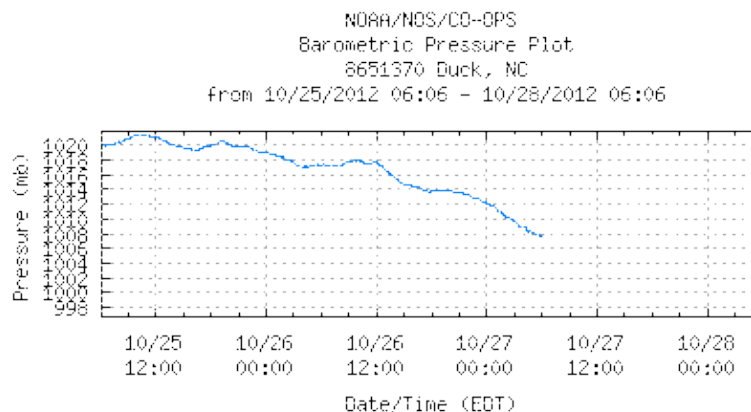
Duck, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 27 knots Gusts: 31 knots Direction: 38° T

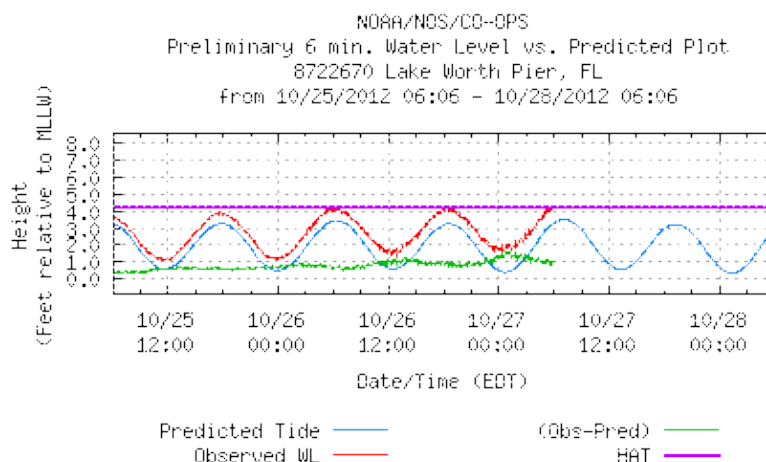
Duck, NC - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 1007.7 mb

Lake Worth Pier, FL - Return to List

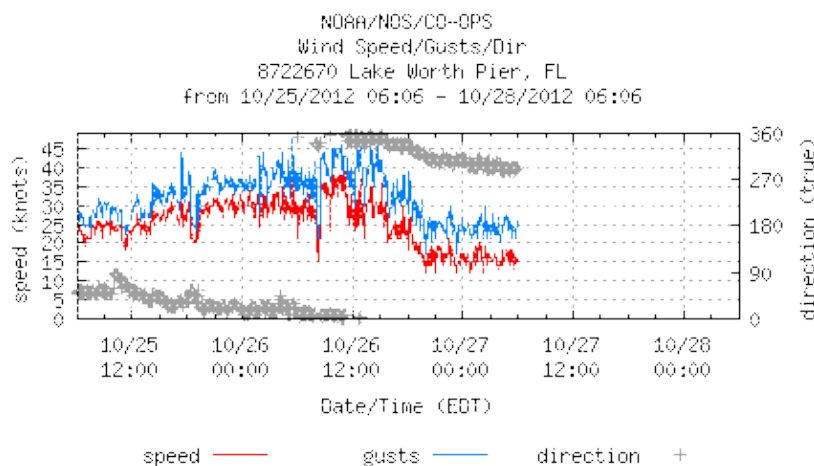


Last Observed Sample: 10/27/2012 05:54 (EDT)

Relative to MLLW: **Observed: 4.31 ft.** **Predicted: 3.26 ft.** **Residual: 1.05 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

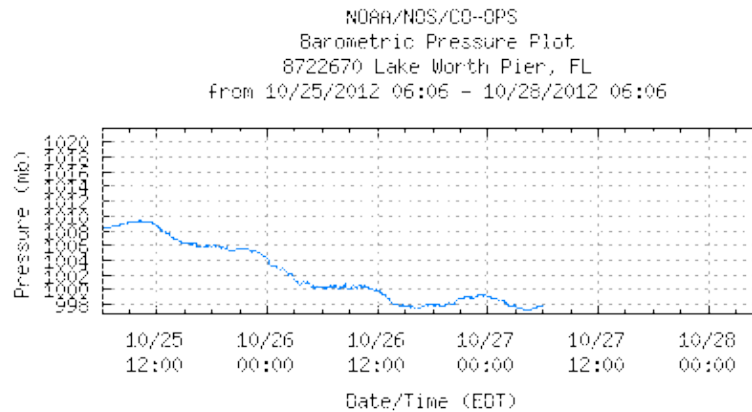
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Wind Speed: 15 knots **Gusts: 26 knots** **Direction: 294° T**

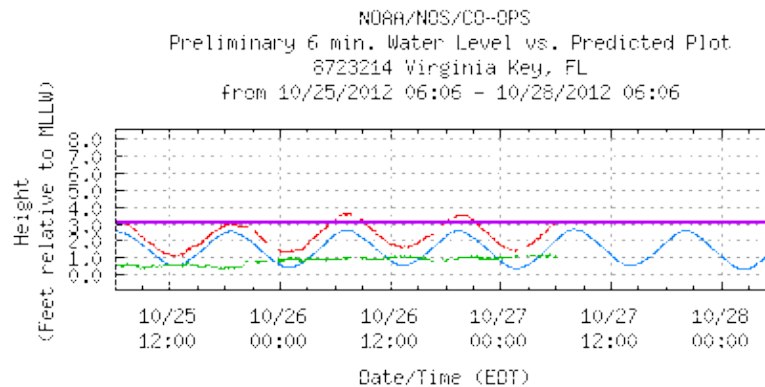
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/27/2012 05:54 (EDT)

Barometric Pressure: 997.8 mb

Virginia Key, FL - Return to List

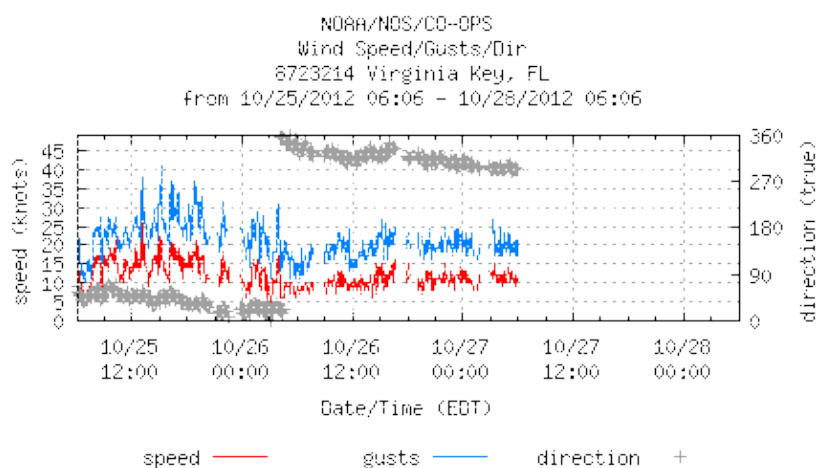


Last Observed Sample: 10/27/2012 06:00 (EDT)

Relative to MLLW: **Observed: 3.16 ft.** **Predicted: 2.05 ft.** **Residual: 1.11 ft.**

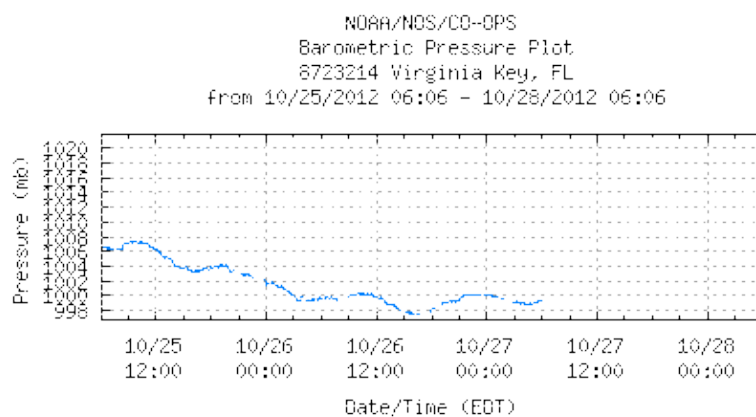
Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

Virginia Key, FL - Return to List



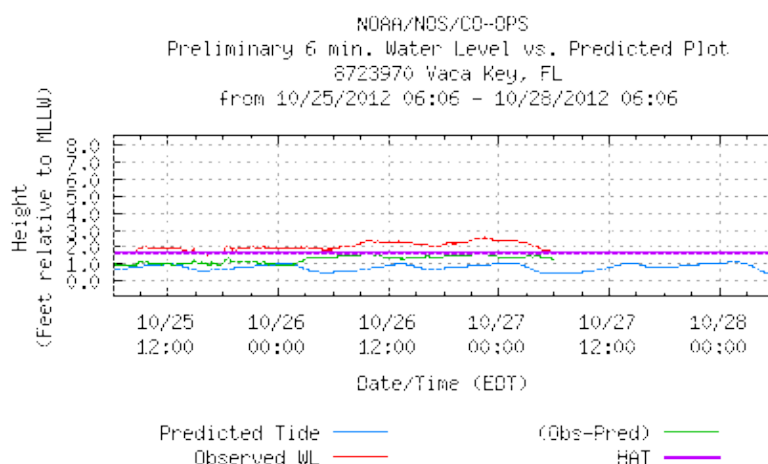
Last Observed Sample: 10/27/2012 06:00 (EDT)
Wind Speed: 11 knots Gusts: 21 knots Direction: 292° T

Virginia Key, FL - Return to List



Last Observed Sample: 10/27/2012 06:00 (EDT)
Barometric Pressure: 999.4 mb

Vaca Key, FL - Return to List

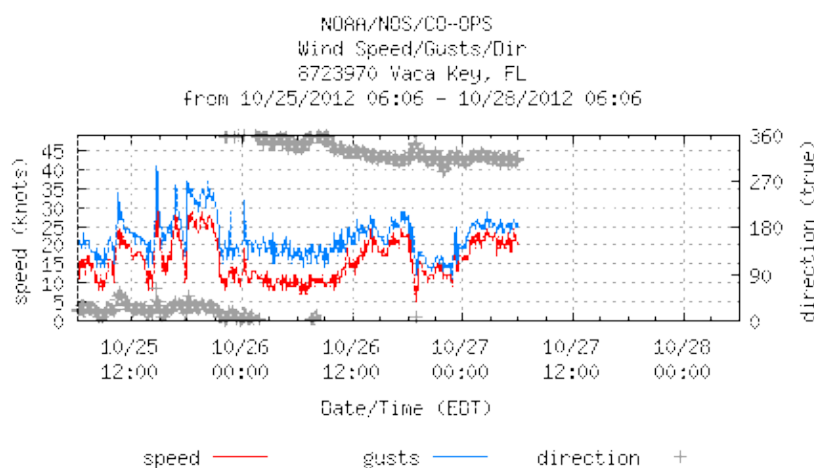


Last Observed Sample: 10/27/2012 06:00 (EDT)

Relative to MLLW: **Observed: 1.71 ft. Predicted: 0.42 ft. Residual: 1.29 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

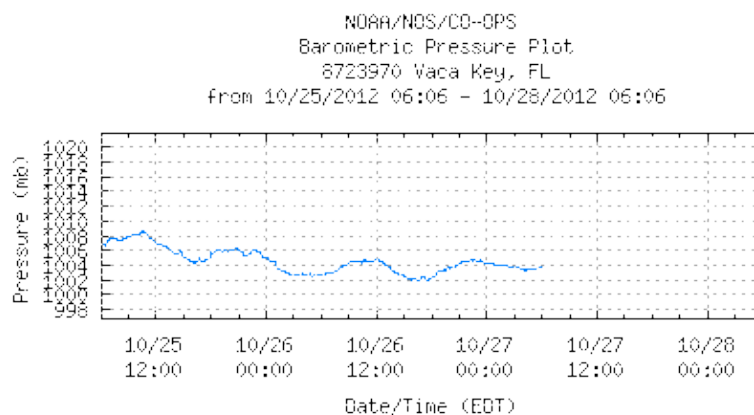
Vaca Key, FL - Return to List



Last Observed Sample: 10/27/2012 06:00 (EDT)

Wind Speed: 20 knots Gusts: 25 knots Direction: 310° T

[Vaca Key, FL - Return to List](#)



barometric pressure —

Last Observed Sample: 10/27/2012 06:00 (EDT)

Barometric Pressure: 1003.8 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce